

ABSTRACT

"PRODUCTION OF PLURIPOTENT GRANULOCYTE
COLONY-STIMULATING FACTOR"

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Disclosed are novel polypeptides possessing
part or all of the primary structural conformation and
one or more of the biological properties of a mammalian
(e.g., human) pluripotent granulocyte colony-stimulating
10 factor ("hpG-CSF") which are characterized in preferred
forms by being the product of procaryotic or eucaryotic
host expression of an exogenous DNA sequence. Sequences
coding for part or all of the sequence of amino acid
residues of hpG-CSF or for analogs thereof may be incor-
15 porated into autonomously replicating plasmid or viral
vectors employed to transform or transfect suitable
procaryotic or eucaryotic host cells such as bacteria,
yeast or vertebrate cells in culture. Products of
expression of the DNA sequences display, e.g., the
20 physical and immunological properties and in vitro bio-
logical activities of isolates of hpG-CSF derived from
natural sources. Disclosed also are chemically synthe-
sized polypeptides sharing the biochemical and immuno-
logical properties of hpG-CSF.

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